

IN THE CLAIMS:

Please cancel claims 1-24 without prejudice to or disclaimer of the subject matter recited therein.

Please add new claims 25-38 as follows:

LISTING OF CURRENT CLAIMS

Claims 1-24. (Canceled)

Claim 25. (New) A flip-chip package comprising:

- a) a substrate having:
 - i) a top substrate surface;
 - ii) a bottom substrate surface; and
 - 5 iii) a substrate opening extending through the top surface and the bottom surface;
- 10 b) a dummy die connected to the bottom substrate surface and aligned with the substrate opening having a redistribution layer, the redistribution layer having a plurality of flip-chip pads and a plurality of connecting pads connected by an integrated circuit trace, the plurality of flip-chip pads and the plurality of connecting pads are located on a top surface of the dummy die below the substrate opening, the plurality of connecting pads of the redistribution layer are electrically connected to the substrate; and
- 15 c) a chip located in the opening and having a plurality of bumps electrically connected to the plurality of flip-chip pads of the redistribution layer.

Claim 26. (New) The flip-chip package according to claim 25, further comprising a package body located in the substrate opening and encasing the chip.

Claim 27. (New) The flip-chip package according to claim 25, wherein the substrate is a printed circuit board.

Claim 28. (New) The flip-chip package according to claim 25, wherein the dummy die has a size larger than a size of the chip.

Claim 29. (New) The flip-chip package according to claim 25, wherein each of the plurality of flip-chip pads have a pitch smaller than a pitch of each of the plurality of connecting pads.

Claim 30. (New) The flip-chip package according to claim 25, wherein each of the plurality of flip-chip pads have a pitch less than 150 μm .

Claim 31. (New) The flip-chip package according to claim 25, further comprising a plurality of bonding wires electrically connecting the plurality of connecting pads to the substrate.

Claim 32. (New) The flip-chip package according to claim 25, further comprising a plurality of bumps electrically connecting the plurality of connecting pads to the substrate.

Claim 33. (New) The flip-chip package according to claim 25, further comprising a plurality of top connection pads located on the top substrate surface.

Claim 34. (New) The flip-chip package according to claim 25, further comprising a plurality of solder balls connected to the bottom substrate surface.

Claim 35. (New) The flip-chip package according to claim 33, wherein the plurality of top connection pads of a top flip-chip package are connected to the plurality of bottom solder balls of a bottom top flip-chip package.

Claim 36. (New) The flip-chip package according to claim 25, further comprising an adhesive tape connecting the dummy die to the bottom substrate surface.

Claim 37. (New) The flip-chip package according to claim 25, wherein the dummy die has an exposed surface located on a bottom thereof, the exposed surface has a metal thermal-conducting layer formed thereon.

Claim 38. (New) The flip-chip package according to claim 25, wherein the substrate opening includes a stair located on an interior circumference thereof.